

# List of Patents and Publications For Applicant's Information Disclosure Statement

Page 1 of 1

Form PTO-1449 (Revised)  
(Use several sheets if necessary)

Docket No.:

Serial No.: 09/064,000

Group No.:

3784 1646

Filing Date: April 21, 1998

Examiner:

Nicholas D. Lucchesi Kemmerer

Applicant: James P. Elia

## Reference Designation U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)

## Foreign Patent Documents

Document Number	Date	Country	Class	Sub-Class	Translation Yes No

## Other Art (including author, title, date, pertinent pages, etc.)

ABP	Vale, et al., 2000, <u>Circulation</u> , 102:965-974, "Left Ventricular Electromechanical Mapping to Assess Efficacy of phVEGF165 Gene Transfer for Therapeutic Angiogenesis in Chronic Myocardial Ischemia"
ABQ	Strauer, et al., 2002, <u>Circulation</u> , 106:1913-1918, "Repair of Infarcted Myocardium by Autologous Intracoronary Mononuclear Bone Marrow Cell Transplantation in Humans"
ABR	Pagani, et al., 2003, <u>J Am Coll Cardiol</u> , 2003 Mar 5; 41(5):879-888, "Autologous skeletal myoblasts transplanted to ischemia-damaged myocardium in humans. Histological analysis of cell survival and differentiation"
ABS	Schumacher, et al., 1998, <u>J Cardiovasc Surg (Torino)</u> , 1998, Dec; 39(6):783-789, "The stimulation of neoangiogenesis in the ischemic human heart by the growth factor FGF: first clinical results"
ABT	Schumacher, et al., 2000, <u>Z Kardiol</u> 2000; 89 Suppl 7:23-30, "Neoangiogenesis by local gene therapy: a new therapeutic concept in the treatment of coronary disease"
ABU	Hamano, et al., 2001, <u>Jpn Circ J</u> ; 2001 Sep; 65(9): 845-847, "Local implantation of autologous bone marrow cells from therapeutic angiogenesis in patients with ischemic heart disease: clinical trial and preliminary results"
ABV	Tse, et al., 2003, <u>Lancet</u> , 2003 Jan 4; 361(9351): 47-49, "Angiogenesis in ischaemic myocardium by intramyocardial autologous bone marrow mononuclear cell implantation"
ABW	Perin, et al., 2003, <u>Circulation</u> , 2003 Apr 21; [epub ahead of print], "Transendocardial, Autologous Bone Marrow Cell Transplantation for Severe, Chronic Ischemic Heart Failure"

Examiner

N. Kemmerer

Date Considered

5/25/04

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**List of Patents and Publications For  
Applicant's 2<sup>nd</sup> Supplemental Information Disclosure Statement**  
Page 1 of 1

Form PTO-1449 (Rev. 01/01)  
(Use separate sheets if necessary)

Docket No: 1000-10-CO

Serial No: ~~09/794,456~~ 09/064000

Filing Date: February 27, 2001

Applicant: James P. Elia

Group No: 3784 1646

Examiner: ~~Nicholas  
Luchesi~~ Kemmerer

Reference Designation U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)

  

Foreign Patent Documents							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes No

  

Other Art (including author, title, date, pertinent pages, etc.)	
ELK	AD: Chicago Tribune, March 6, 2003, "Stem Cells Injected into Boy's Heart After Nail Gun Mishap"
↓	AE: Wall Street Journal Online, March 5, 2003, "Doctors Use Stem Cells in Rare Heart Repair"
↓	AF: Bioresearch Online, March 5, 2003, "Teen-1 <sup>st</sup> in World to Get Experimental Stem Cell Heart Treatment"

  

Examiner: E. Kemmerer	Date Considered: 5/25/04
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Examiner: Initial if reference considered; whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**List of Patents and Publications For  
Applicant's Supplemental Information Disclosure Statement**  
Page 1 of 1

Form PTO-1449 (Modified)  
(Use separate sheet if necessary)

Docket No: 1000-10-CO1

Serial No.: 09/036,750

09/064000

Group No.: 3764 1646

Filing Date: April 17, 2001

Examiner: Nicholas  
Lucchesi

Kemmerer

Applicant: James P. Elia

Reference Designation U.S. PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)	

  

Foreign Patent Documents							
Document Number	Date	Country	Class	Sub-Class	Translation Yes No		

  

Other Art (including author, title, date, pertinent pages, etc.)	
AD	Chicago Tribune, March 6, 2003, "Stem Cells Injected into Boy's Heart After Nail Gun Mishap"
AE	Wall Street Journal Online, March 5, 2003, "Doctors Use Stem Cells in Rare Heart Repair"
AF	BioResearch Online, March 5, 2003, "Teen 1 <sup>st</sup> in World to Get Experimental Stem Cell Heart Treatment"
AG	BBC News, April 9, 2002, "Cell Transplant Treats Parkinson's"

  

Examiner: C Kemmerer	Date Considered: 5/25/04
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Duplicates

# List of Patents and Publications For Applicant's Information Disclosure Statement Page 1 of 2

Form PTO-1449 (Modified)  
(Use several sheets if necessary)

Docket No.:

Serial No.: 09/064,000

Filing Date: April 21, 1998

Applicant: James P. Elia

Group No.:

3732 1646

Examiner:

Nicholas D. Lucchesi

Kemmerer

Reference Designation U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
Foreign Patent Documents							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes No
Other Art (including author, title, date, pertinent pages, etc.)							
ECN	AAW	Adv. Surg., 25, 1992, pp. 65-97, "Growth hormones and factors in surgical patients". Herndon et al. A partial review of known growth factors and recombinant technology. 199 references.					
	AAX	Bone Research Branch, National Institute of Dental Research, National Institutes of Health, May 1991, pp. 275-291, "Structure, Expression, and Regulation of the Major Noncollagenous Matrix Proteins of Bone". Young et al.					
	AAZ	Mayo Clinic and Mayo Foundation, January 27, 1992, pp. 2310-2312, "A Phase II Study of Recombinant Human Alpha-interferon in Advanced Hormone-Refractory Prostate Cancer". Haelst-Pisani et al.					
	ABA	University of Pennsylvania, 1991, Genomics 9, pp. 283-289, "Bone Morphogenic Protein: Chromosomal Localization of Human Genes for BMP1, BMP2A, and BMP3". Tabas et al.					
	ABB	Progen Biotechnik GmbH, Gene, 1989, Jan. 30, 75 (1), pp. 21-30, "Expression of Synthetic genes encoding bovine and human basic fibroblast growth factors (bFGFs) in Escherichia coli". Binder et al.					
	ABC	Duke University Medical Center, December 1992, Mol Cell Biol, Dec. 12 (12), pp. 5355-62, "Mitogenic Signaling by colony-stimulating factor 1 and ras is suppressed by the ets-2 DNA-binding domain and restored by myc overexpression". Langer et al.					
	ABC	National Cancer Institute (NIH), 1992, J Virol, Dec. 66 (12), pp. 7159-67, "Effects of the human immuno deficiency virus type 1 Tat protein on the expression of inflammatory cytokines". Buonaguro et al.					
Examiner	E. Kemmerer			Date Considered 5/25/04			

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**List of Patents and Publications For  
Applicant's Information Disclosure Statement  
Page 2 of 2**

Other Art (including author, title, date, pertinent pages, etc.) - CONTINUED		
Ella	ABD	Cornell University Medical College, 1990, J Biol Chem Dec. 5; 265 (34), pp. 20916-22, "Determination of functional effects of mutations in the steroid 21-hydroxylase gene (CYP21) using recombinant vaccinia virus". Tusie-Luna et al.
	ABE	University of Zurich and The Salk Institute, 1985, The EMBO Journal, Vol. 4, No. 8, pp. 1951-56, "Acidic fibroblast growth factor (FGF) from bovine brain: amino-terminal sequence and comparison with basic FGF". Böhlen et al.
	ABF	University of Heidelberg, 1990, Exp Hematol, Feb; 18 (2), pp. 94-98, "Successful autologous transplantation of blood stem cells mobilized with recombinant human granulocyte-macrophage colony-stimulating factor". Haas et al.
	ABG	Michigan Cancer Foundation, 1992, J Cancer Res Clin Oncol, 118 (6), pp. 411-19, "Chemical carcinogenesis of the urinary bladder - a status report". Jones et al.
	ABH	Academy of Medical Sciences USSR, 1991, Ann NY Acad Sci, 628, pp. 399-409, "Species-nonspecific action of soluble immunosuppressive factor produced by murine immature erythroid cells". Mitasov et al.
	ABI	Med. Biol., 1975, Dec. 53 (6), pp. 427-55, "An experimental analysis of liver development", Dourain.
	ABJ	Cancer Research Campaign, Beatson Laboratories, 1992, Semin Cell Biol, Dec. 3 (6), pp. 423-34, "The haemopoietic stem cell: properties and control mechanisms". Graham et al.
	ABK	Brain Research Institute, University of Zurich, 1992, Curr Opin Cell Biol, 4 (5), pp. 863-68, "Modulators of neuronal migration and neurite growth". Kapfhammer et al.
	ABL	University of California, 1992, Curr Opin Cell Biol, Oct. 4 (5), pp. 772-81, "Signal transduction by integrin receptors for extracellular matrix: cooperative processing of extracellular information". Damsky et al.
	ABM	Northwestern University Medical School, 1992, Science, Dec 11, 258 (5089), pp. 1798-801, "Interleukin-8 as a macrophage-derived mediator of angiogenesis". Koch et al.
	ABN	Rutgers University, 1992, Cancer Res, Oct. 15; 52 (20), pp. 5803-07, "Inhibition of cell attachment by selenite". Yan.
✓	ABO	Nephrologie, 1992, 13 (3), pp. 109-113, "IGF-1 and phosphate homeostasis during growth", Caverzasio et al.
Examiner <u>E. Kemmer</u>		Date Considered <u>5/25/04</u>
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# List of Patents and Publications For Applicant's Information Disclosure Statement Page 1 of 2

Form PTO-1449 (Modified)  
(Use several sheets if necessary)

Docket No.:

Serial No.: 09/064,000

Filing Date: April 21, 1998

Applicant: James P. Elia

Group No.:

Examiner:

3732

1646  
Nicholas D. Lucchesi

Kemmerer

## Reference Designation U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
ELK	51652225	7/1997	Isner			

## Foreign Patent Documents

Document Number	Date	Country	Class	Sub-Class	Translation Yes	No

## Other Art (including author, title, date, pertinent pages, etc.)

ELK	AY	Science Daily (American Heart Association), 1998, "Study is first ever to document protein therapy induces creation of new blood vessels to the human heart"
	AZ	Circulation, 1998, "Induction of neoangiogenesis in ischaemic myocardium by human growth factors: first clinical results of a new treatment of coronary heart disease"
	AAA	Circulation, 1998, Editorial, "Angiogenic therapy of the human heart"
	AAB	NIH Press Release: 1999, "Growing New blood vessels with a timed-release capsule of growth factor is a promising treatment for heart bypass patients, finds NHLBI Study"
	AAC	The Lancet, 1996, "Clinical Evidence of angiogenesis after arterial gene transfer of phVEGF in Patient with Ischaemic limb"
	AAD	U.S. Patent No. 5,652,225 (1997) Parent application filed 10/04/94

Examiner

E. Kemmerer

Date Considered

5/25/04

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**List of Patents and Publications For  
Applicant's Information Disclosure Statement  
Page 2 of 2**

Other Art (including author, title, date, pertinent pages, etc.) - CONTINUED

EEA	AAE	Harvard University Gazette, 1998, "New Arteries Grown in Diseased Hearts"
	AAF	J Periodontol, November 1991, "Effects of platelet-derived growth factor/insulin-like growth factor-1 combination on bone regeneration around titanium dental implants". Lynch S.E., et. al.
	AAG	Nature, November 28, 1991, "Electrically erodible polymer gel for controlled release of drugs". Kwon, I.C., et. al.
	AAH	Acta Orthop Scand, October 1991, "Dose-dependent stimulation of bone induction by basic fibroblast growth in rats". Aspenberg P., et. al.
	AAI	Natl. Acad. Sci., November 1992, "Heat shock induces the release of fibroblast growth factor 1 from NIH 3T3 cells". Jackson A., et. al.
	AAJ	Transplant, 1992, "Cell transplantation for myocardial repair: an experimental approach". Marelli D., et. al.
	AAK	Lasers Sur. Med., 1989, "Macrophage responsiveness to light therapy". Young, S.
	AAL	J Surg. Res., May 1989, "Attachment of peptide growth factors to implantable collagen". Stompro B.E., et. al.
	AAM	Clin. Orthop., February 1991, "Bone morphogenesis of rabbit bone morphogenetic protein-bound hydroxyapatite-fibrin composite". Sato T., et. al.
	AAN	Arch Surg., June 1989, "Angiotropin treatment prevents flap necrosis and enhances dermal regeneration in rabbits". Hockel M., Burke J.F.
	AAO	JAMA, October, 1991, "Tissue transformation into bone in vivo. A potential practical application". Khouri R.K., et. al.
	AAP	Radiology, December 1986, "An experimental evaluation of microcapsules for arterial chemoembolization". Bechtel W., et. al.
	AAQ	Atherosclerosis, February 1989, "Histopathologic examination of material from angioplasty balloon catheters used in vivo in human coronary arteries". Sprecher D.L., et. al.
	AAR	Int. J Cancer, May 1989, "Acidic Cellular Environments: activation of latent TGF-beta and sensitization of cellular responses to TGF-beta and EGF". Dullien P., et. al.
	AAS	Atherosclerosis, April 1990, "Endothelial cell stimulation of smooth muscle glycosamino-glycan sythesis can be accounted for by transforming growth factor beta activity". Merrilees M.J., Scott L.
	AAT	Ultrasound Med Biol, 1990, "Macrophage responsiveness to therapeutic ultrasound". Young S.R., Dyson M.
	AAU	Am J Physiol, September 1989, "Mitogenic signals for thrombin in mesangial cells: regulation of phosspholipase C and PDGF genes". Schultz P.J., et. al.
↓	AAV	J Burn Cure Rehabil, July-August, 1991, "Weak direct current accelerates split-thickness healing on tangentially excised second-degree burns". Chu C.S., et. al.

Examiner

*E. Kemmer*

Date Considered

*5/25/04*

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# List of Patents and Publications For Applicant's Information Disclosure Statement Page 1 of 2

Form PTO-1448 (Modified)  
(Use several sheets if necessary)

Docket No.:

Serial No.: 09/064,000

Group No.:

3732 1646

Filing Date: April 21, 1998

Examiner:

Nicholas D. Lucchesi *Kemmerer*

Applicant: James P. Elia

## Reference Designation U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
<i>ECU</i>	AA	5,091,205	02/1992	Fan			
	AB	5,252,479	10/1993	Srivastava			
	AC	5,304,121	04/1994	Sahatjian			
	AD	5,328,470	07/1994	Nabel et al.			

## Foreign Patent Documents

		Document Number	Date	Country	Class	Sub-Class	Translation Yes No
<i>ECU</i>	AE	WO93/00051	01/1993	WIPO			
	AF	WO93/00052	01/1993	WIPO			

## Other Art (including author, title, date, pertinent pages, etc.)

<i>ECU</i>	AG	Fram, et al., Circulation: vol. 86, No. 4, Oct., 1992. Abstract: 1515
	AH	Tischer, et al., The Journal of Biological Chemistry; vol. 266, No. 18, Issue of 6/25, pp. 11947-11954, 1991
	AI	Chapman, et al., Circulation Research: vol. 71, No. 1, Jul. 1992, pp. 27-33
	AJ	Gal, et al., Circulation: vol. 85, No. 2, Feb. 1992, pp. 756-768
	AK	Nabel, et al., Nature, vol. 362, Apr. 29, 1993, pp. 844-846
	AL	Nabel, et al., Science, Reprint Series Sep. 14, 1990, vol. 249, pp. 1285-1288

Examiner <i>E. Kemmerer</i>	Date Considered <i>5/25/09</i>
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**List of Patents and Publications For  
Applicant's Information Disclosure Statement  
Page 2 of 2**

**Other Art (including author, title, date, pertinent pages, etc.) - CONTINUED**

Ell	AM	Nabel, et al., Science, Reprint Series Jun. 16, 1989, vol. 244, pp. 1342-1344
	AN	Takeshita, et al., J. Clin. Invest.; vol. 93, Feb. 1994, 662-670
	AO	Riessen, et al., "Human Gene Therapy" 4:749-758 (1993); Published Dec. 1993
	AP	Isner & Rosenfield; Circulation: vol. 88, No. 4, Part 1, Oct. 1993, pp. 1534-1557
	AQ	Flugelman, et al., Circulation: vol. 85, No. 3, Mar. 1992, pp. 1110-1117
	AR	Takeshita et al., Circulation: vol. 88, No. 4, Part 2, Oct. 1993; Abstract #1985, p. I-370
	AS	Riessen, et al., Pres Release Jul. 14, 1993
	AT	Riessen, et al., European Heart Journal 14:78 (1993), p. 78
	AU	Riessen, et al., Abstract: JACC 21:74A, 1993, American College of Cardiology 42 <sup>nd</sup> Annual Scientific Session; Mar. 14-18, 1993
	AV	Barr & Leiden; TCM 282; Revised Oct. 14, 1993, pp. 57-63
	AW	Steg, et al., Circulation, vol. 90, No. 4, (1994), pp. 1648-1656
V	AX	McGinnis, et al., Abstract: Cell, 63(5):969-76, Nov. 30, 1990
Examiner <i>E. Kemmerer</i>		Date Considered <i>5/25/94</i>
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